UFO-2050

Conference System

User Manual

Version: 1.0
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Contents

Overview

Thank you for purchasing UFO 2050 conference system from BXB Electronics Co.

UFO 2050 is the latest digital conference system with superb performance and elegant design which can be used in various conference rooms.

UFO 2050 main control unit has the latest built-in digital module which can control up to 10 chairman units and 999 delegate units. What's more, the built-in digital volume, camera positioning and software graphical control module can definitely meet your requirements for any occasion.

High-speed 360° endless rotation and auto-return enable BXB dome camera to be applied in various image positions. RS-485 communication interface could apply to remote control. 128 programmable preset points facilitate setting positions more precisely.

The main control unit runs auto-detection to check if all the units work properly when turning on, facilitating timely system detection.

High reliability is our utmost purpose when developing EDC1000 conference system. Each main control unit and its fittings have all gone through careful assembly and strict test in our ISO 9001 approved factory. The excellent performance, high reliability and reasonable price make it the indispensable conference system for you.

System Features

Main control unit of the Conference System

1. Digital Control Capability: 10 chairman units& 999 delegate units

2. A 20*4LCD screen and 5 LED setting buttons: **MODE, UP, DN STEP& SAVE** that could control conference mode and volume.

3. Built-In digital volume control module

4. Built-In image tracing & positioning control module

5. Built-In software control communication Interface

Chairman Unit

1. Types: Tabletop and flush-mounted

2. Microphone on/off button, control button

3. Pliable in anywhere within circuit

4. ID Setting: 10-Bits DIP Switches

5. Chairman ID code: *01-*10, 10 units at most

Delegate Unit

1. Types: Tabletop, flush-mounted and hand-held

2. Microphone on/off button

3. ID Setting: 10-Bits DIP Switches

4. Delegate ID code: 001-999, 999 units at most

Safety Instructions

1. Please read and observe these instructions before installing and using the apparatus.

2. Use only accessories specified by the manufacturer. The manufacturer is not liable for damage caused by the use of non-specified accessories.

3. Install the apparatus and its accessories carefully. Strike and fierce shaking may damage the apparatus.

4. Make sure the power cord is fixed properly.

5. Do not overload wall outlets and extension cords as this can result in a risk of fire or short circuit.

6. To reduce the risk of damage from lightning strikes, it is important that all electric cables should be bonded to the same grounding point.

7. Do not block any ventilation openings to prevent overheating and malfunction.

8. Do not expose the apparatus to rain or moisture.
Humidity may lead inside components to damage. Appropriate shelter is necessary when placing it outside (Best working environment: Temperature 0°C ~ 40°C <32°F ~ 104°F>, humidity below 90%).

9. Please do not switch on and off the apparatus rapidly.
Rapid switch on and off the apparatus should be avoided all the time to prevent inside sensitive electronic circuits from being damaged by surges.

10. Do not clean the apparatus and its accessories with chemical solvents. Use only a clean, dry/dampish cloth.

11. Refer to maintenance technician when the apparatus has been damaged in any way, such as:
A• power-supply cord or plug is damaged
B• liquid has been spilled in
C• has been exposed to rain or moisture
D• has been dropped
E• objects have fallen into the apparatus
F• does not operate normally

12. Note: When the printed circuit board is going through electric static treatment, correct ESD safety precaution and grounding should be assured.

13. Note: Before connecting the apparatus to main AC, please select the supply voltage in accordance with the wall voltage in your country to prevent damage. Refer to Installation and Setting (Page 8) for selecting.

14. Warning: Do not disassemble or remodel the product, as these actions may lead to electrical shock or damage. The guarantee on the product will become null if the product is ever disassembled.

Basic Configuration

1. Connection between main control unit & microphones
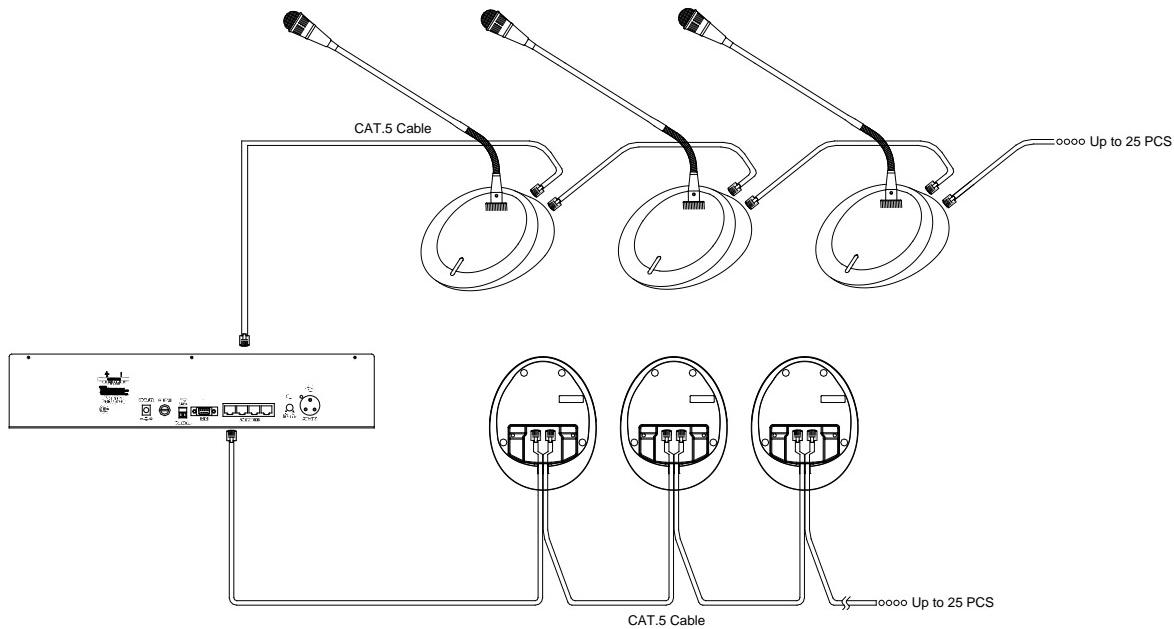
1.1 There are 4 microphone links in the back of main control unit, which can be connected randomly.

1.2 Microphone units are equipped with hidden sockets for connecting Cat.5e cable, featuring simple and beautiful appearance.

1.3 Chairman units are pliable in anywhere within circuit

1.4 Please make sure the power is off before unplugging any unit.

2. Connection between main control unit & video tracking system.

CONTROL KEYBOARD

UFO-2050

SPEED DOME CAMERA NO.1

SPEED DOME CAMERA NO.2

16 PCS
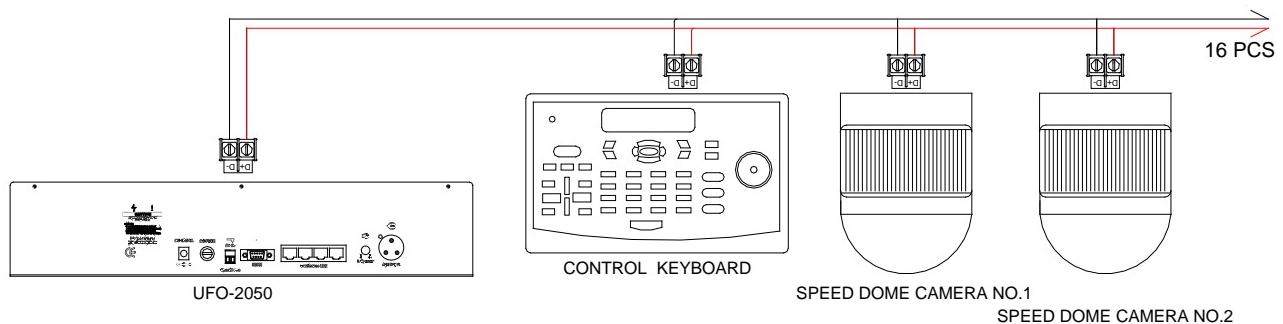
2.1 One group of fast socket terminal on main control unit connected with speed dome control keyboard is adopted with Double core parallel connection (D+ D-).

2.2 Please ensure the plug position correctly to avoid mal-operating while connecting between main control unit and speed dome control keyboard.

2.3 Double core parallel connection (D+, D-) .Maximum 16 speed dome cameras can be connected.

2.4 If connecting cord is needed to be made by you, please refer to the Appendix- control plug instruction.

2.5 The position of RS-485 connector of speed dome can the plug position, please refer to the Appendix.

2.6 The material of control cords could be referred to the Appendix.

3. Connection between main control unit & software.

图形控制主機

UFO-2050
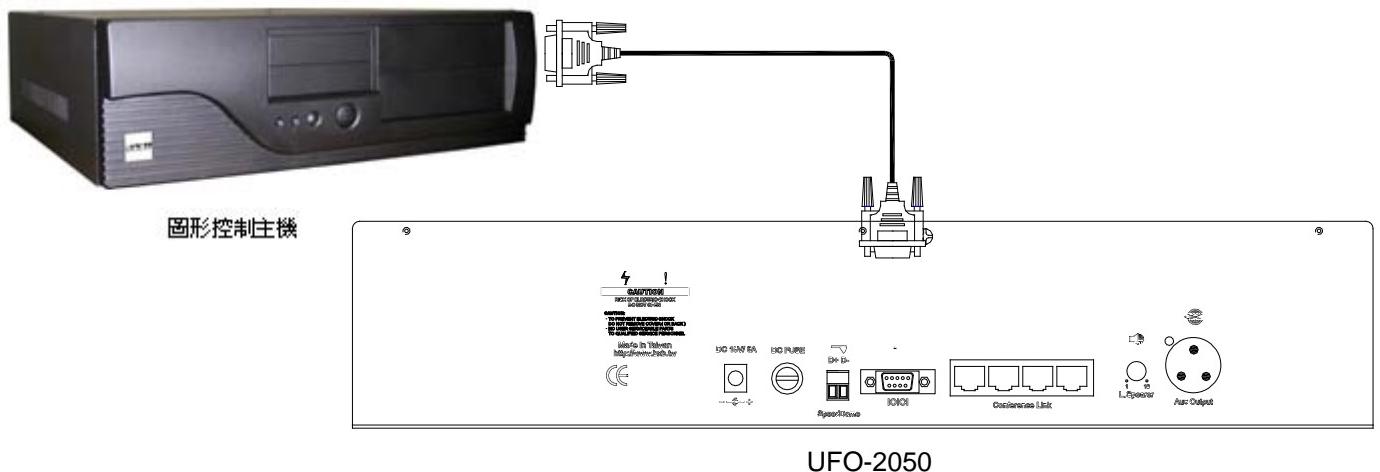
3.1 The main control unit and software were connected by the D sub 9P type parallel connection.

3.2 Please ensure the connection between Graphic control software sever is adopted as COM 1 port.

Operation and Features

Front Panel Description
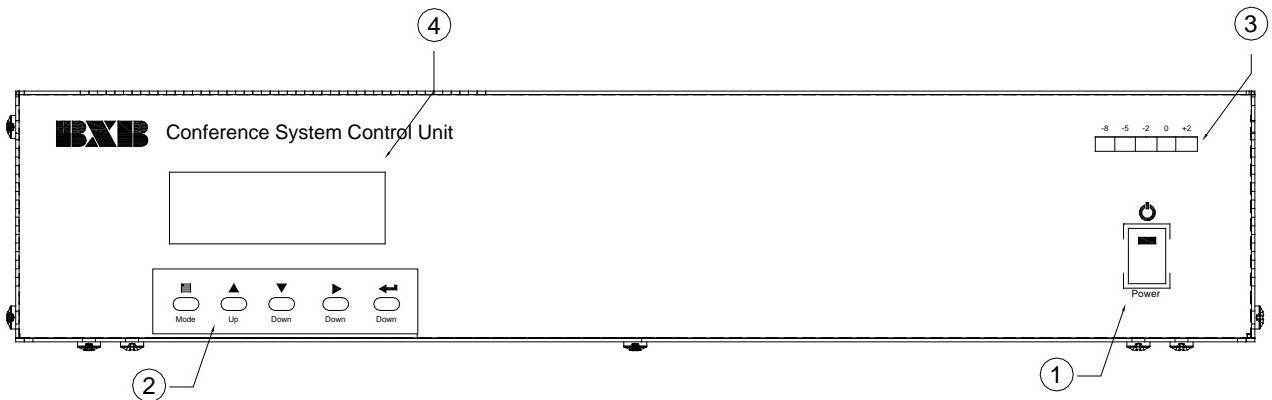
① Power switch

② Conference function control

MODE Mode-changing

UP Gain parameter setting/ conference volume up

DN Reduce parameter setting/ conference volume down

STEP Select parameter setting of the IP speed dome from left to right.

SAVE Save settings

③ Volume output LED indicator

④ 20×4 bits LCD screen

Rear Panel Description
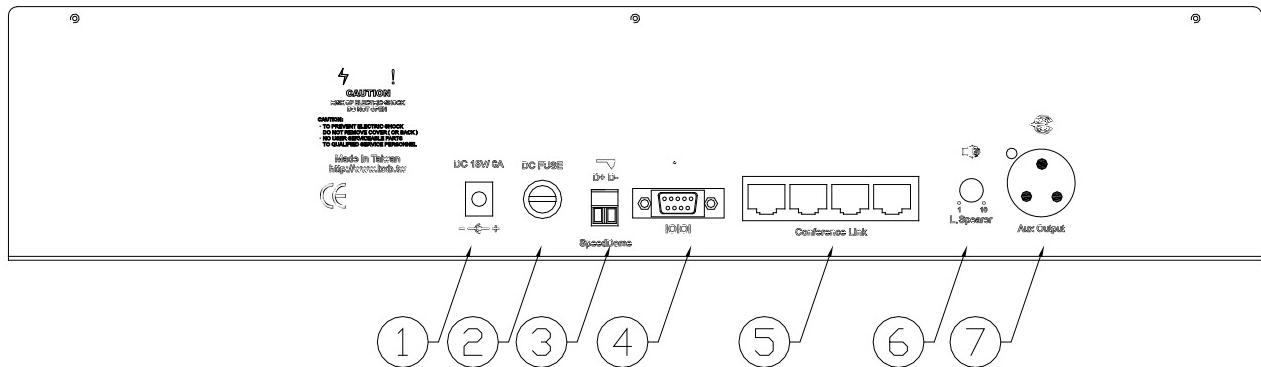
① Operating voltage: DC 18V/6A host

② DC power supply fuse (DC 250V/8A)

③ High-speed dome camera rotation port

④ Graphical software RS-232 port

⑤ LINK 1 ~ 4: Microphone output

⑥ L.Spearer VR: Microphone built-in speaker volume knob

⑦ AUX output terminal (XLR)

※AUX output terminal description

Aux Output

1, 3 Ground
2   Sound (Aux)
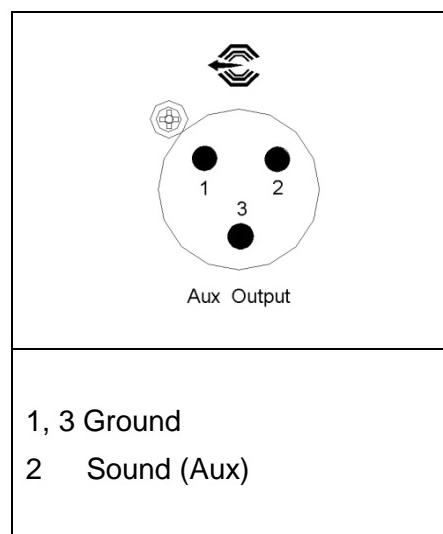
Turn On

1. After confirming all the wiring is done, switch on the main controller and the LCD will display following information
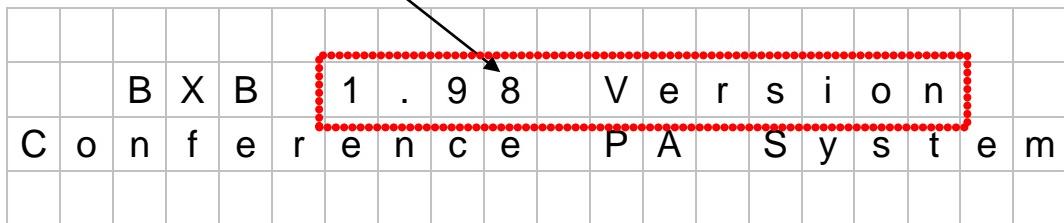
		B	X	B		1	.	9	8		V	e	r	s	i	o	n
C	o	n	f	e	r	e	n	c	e		P	A		S	y	s	t	e	m

2. Later, the system will start auto-scanning to see if it operate normally
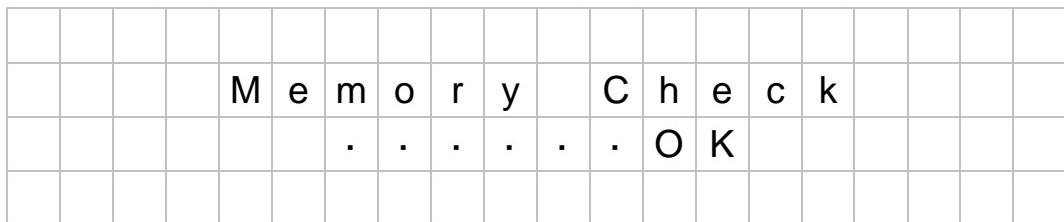
			M	e	m	o	r	y		C	h	e	c	k	
				.	.	.	.	.	.	O	K				

3. After scanning completes, LCD will display following information (default page)
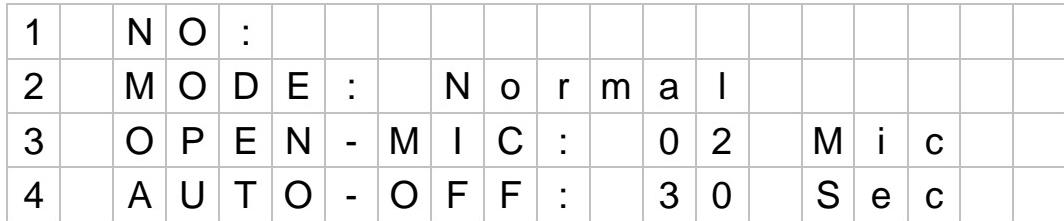
1		N	O	:											
2		M	O	D	E	:		N	o	r	m	a	l		
3		O	P	E	N	-	M	I	C	:		0	2		M	i	c
4		A	U	T	O	-	O	F	F	:		3	0		S	e	c

NOTE：

1. When main control unit is ON, this conference system will be executed microphone connection test. At this moment, the red LED of microphone will be constantly on; 5 seconds later, if the connection was wrong, the faults unit will be flashing. It means the connection is failure.

2. In this case, the power of main control unit should be switched off and check whether the microphone connection is correct or not and then switch it on again. If the red LED of the microphone is constantly on for more than 5 seconds, and the connection of the microphone is normal.

3. Press the talk button of the chairman unit or any delegate unit, the red LED of microphone can be cleared, or wait for 30 seconds until the test mode of the system is finished, and then the conference begins.

LCD Instructions

1	N	O	:										
2	M	O	D	E	:		N	o	r	m	a	l	
3	O	P	E	N	-	M	I	C	:		0	2	M	i	c
4	A	U	T	O	-	O	F	F	:		3	0	S	e	c

5		S	P	E	E	D		D	O	M	E		S	E	T	T	I	N	G
		M	I	C				D	O	M	E				A	D	R		
	(	0	0	1	)				0	1					0	0	1		

1. Using microphones ID code: **3** groups of ID code are displayed per page.
   Chairman MIC：*01 -*10   Delegate MIC：001 ~ 999

2. Mode - Normal : Normal Mode   Override : Override Mode
   Chairman : Chairman Mode   FIFO : First in first out (FIFO) mode

3. OPEN-MIC: three modes of limiting the number of simultaneously usable units: 1~30, all open and chairman mode.

4. AUTO-OFF (Automatic Mic-off): **10 ~ 99** second & and manual turn off.

5. SPEED DOME SETTING: Displays and settings of Speed Dome & chairman/delegate microphone. ID code

6		S	P	E	E	D		D	O	M	E		M	O	D	E		
	(	N	o	n	e	)		B	u	t	t	o	n		V	o	i	c	e

6. SPEED DOME MODE:

   None：Stop Auto-Image Tracing & Positioning function

   Button：When pressing the "Talk" button, the auto image tracing and positioning mode is activated.

   Voice：When using more than two microphones, speed dome will be automatically detected the voice for executing auto image tracing and positioning mode.

7	◘	M	I	C		C	H	E	C	K	I	N	G		M	O	D	E	
			(	T	e	s	t	)			S	c	a	n					

8	◘	S	P	E	E	D		D	O	N	E		R	E	T	U	R	N	
			Y	E	S					(	N	O	)						

9	◘	V	I	D	E	O		A	U	T	O		S	W	I	T	C	H	
			(	Y	E	S	)					N	O						

7. MIC CHECKING MODE

   System test& scan. Scanning all the units is a must-do when first starts the system.

8. SPEED DONE RETURN

   (YES) automatically go back to a default point.

9. VIDEO AUTO SWITCH

   (YES) images automatic override

Operations & Settings

1. USING MIC ID

1.1 When the conference unit is using, the red LED of microphone will be constantly on. Meanwhile, its ID code will be displayed on the LCD of main control unit.

1.2 Less than 3 using microphones, you can see the ID code on the preset menu.

1	N	O	:		0	0	1		0	0	2		0	0	3		
2	M	O	D	E	:		N	o	r	m	a	l					
3	O	P	E	N	-	M	I	C	:		0	2		M	i	c	
4	A	U	T	O	-	O	F	F	:		3	0		S	e	c	

1.3 Over 3 using microphones, " ← → " icon will be displayed on the up-right of the LCD，By pressing the " MODE " button,LCD screen will be showed " ◘" press "UP" and "DN" button to check the ID code of using microphone.
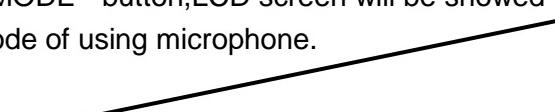
1	◘	N	O	:		0	0	1		0	0	2		0	0	3		←	→
2		M	O	D	E	:		N	o	r	m	a	l						
3		O	P	E	N	-	M	I	C	:		0	2		M	i	c		
4		A	U	T	O	-	O	F	F	:		3	0		S	e	c		

1.4 The symbol of" ◘" icon indicates the operating and setting function is activated. You could repeat this action to operate and set up all conference modes.

Note:

All the figures shown on this manual is only an example. Each main control unit has been through a series of quality testing during the process of manufacturing. Due to the default setting is not identical, users can change the settings simply followed by the instruction manual.

2. CONFERENCE MODE

2.1 Press "MODE" button move " ▫ " icon to MODE change the conference mode.

1		N	O	:		0	0	1		0	0	2		0	0	3		
2	▫	M	O	D	E	:		N	o	r	m	a	l					
3		O	P	E	N	-	M	I	C	:		0	2		M	i	c	
4		A	U	T	O	-	O	F	F	:		3	0		S	e	c	

2.1.1 The following conference modes can be set.

※The chairman, who is not subject to the following conference mode, can speak anytime

freely.

Normal :

Delegates can press the talk button and speak within the limiting the number of simultaneously usable units. Press the "Talk" button again to turn it off after speaking.

Chairman：

Only the Chairman unit has the right to speak. Of course, chairman could also permit thedelegates unit speaking while pushing the "TALK" button by three ways (main control unit, graphic control server and Chairman unit).

The ID code of requesting Delegate microphone will be "flashing" in the first column.

1	▫	N	O	:		0	0	1		0	0	2		0	0	3		
2		M	O	D	E	:		C	h	a	i	r	m	a	n			
3		O	P	E	N	-	M	I	C	:		0	2		M	i	c	
4		A	U	T	O	-	O	F	F	:		3	0		S	e	c	

Press "STEP" button to enter delegate-selecting mode. You'll see （×××）icon. ◄ press "UP" or "DN" button ◄ select the ID code of delegate microphone.

1	▫	N	O	:	(	0	0	1	)	0	0	2		0	0	3		
2		M	O	D	E	:		C	h	a	i	r	m	a	n			
3		O	P	E	N	-	M	I	C	:		0	2		M	i	c	
4		A	U	T	O	-	O	F	F	:		3	0		S	e	c	

Press "STEP" button again ☐ the delegate microphone is allowed to talk. You'll see the selecting unit of its ID code will be stopped flashing and delegate can talk now. Please repeat this steps if more delegates request to talk. （**this step can also be executed**

simultaneously by pressing the 5 multi-function buttons of chairman unit）

When the numbers of speaker and requesting speakers are over three, you will see this arrow icons → 、 ← 、 ↔ displayed on LCD of Chairman unit and main unit, indicating → （next page）、 ← （last page）、 ↔ （continued last and next pages）

1	◘	N	O	:	(	0	0	1	)	0	0	2		0	0	3			→
2		M	O	D	E	:		C	h	a	i	r	m	a	n				
3		O	P	E	N	-	M	I	C	:		0	2		M	i	c		
4		A	U	T	O	-	O	F	F	:		3	0		S	e	c		

Override Mode：

Example 1: If you limit the number of simultaneously usable delegate microphone as **1**, while the **"TALK"** button of the 2nd delegate unit has been pressed, the last using microphone will be switched off automatically.

Example 2: If you limit the number of simultaneously usable delegate microphone as **3,** while the "TALK" button of the 4th (5th) delegate unit is been pressed, the 1st (2nd) delegate unit will be switched off. It will be always limited **3** simultaneously usable delegate microphones. Therefore, you can follow the same rule to set up if the numbers of simultaneously usable delegate microphone ranged from **1~30**.

FIFO Mode：

If the limiting numbers of simultaneously usable delegate microphone are **1,** while the **"TALK"** button of the 2nd **delegate unit**, **the prepared speaker,** is been pressed, its indicator lamp & ring of light are flashing with red color; as for the 3rd **delegate unit or more units**, theirs "TALK" button LED are flashing with orange color.; When the 1st delegate finishes speaking, the 2nd one will be automatically switched on, and the 3rd one will become the **prepared speaker**. The chairman microphone is not restricted to this and can speak freely.

At this time, chairman mode operation can still be applied to select prioritized speaker by overriding the FIFO mode.

1	◘	N	O	:		0	0	1		0	0	2		0	0	3			
2		M	O	D	E	:		F	I	F	O								
3		O	P	E	N	-	M	I	C	:		0	2		M	i	c		
4		A	U	T	O	-	O	F	F	:		3	0		S	e	c		

3. OPEN DELEGATE MICROPHONE NUMBER

3.1 You can select "Open- MIC: ALL MIC" mode (see below) or set up the limiting number of simultaneously usable delegate microphone ranged from 1~30.

3.2 Press "MODE" button move " ▫" to OPEN –MIC mode No. 03 MIC will be flashing □press "UP" or "DN" button again change the No [Video]

1		N	O	:		0	0	1		0	0	2		0	0	3			
2		M	O	D	E	:		N	o	r	m	a	l						
3	▫	O	P	E	N	-	M	I	C	:		0	3		M	i	c		
4		A	U	T	O	-	O	F	F	:		3	0		S	e	c		

3.3 The limiting number of simultaneously usable delegate microphone ranged from 1~30.

i. OPEN –MIC：1 Mic ⇨ limiting the number of simultaneously usable delegate unit: **1**

ii. OPEN –MIC：30 Mic ⇨ limiting the number of simultaneously usable delegate unit: **30**

iii. OPEN –MIC：ALL Mic ⇨ limiting the number of simultaneously usable delegate unit: **None**

iv. OPEN –MIC：REQUEST ⇨ In Chairman mode, this column will be displayed " REQUEST, " meaning delegates need to press button to request to speak.

4. MIC AUTO-OFF TIME

4.1 The function of automatic mic off (from 10~99 sec) could be set up after speaking finished, when times up, the delegate unit will be automatically switched off or be manually switched off by pressing the "TALK" button.

4.2 Press "MODE" button move "▫" to AUTO –OFF mode No. 30 Sec will be flashing □□press "UP" or "DN" button change the No.

1		N	O	:		0	0	1		0	0	2		0	0	3			
2		M	O	D	E	:		N	o	r	m	a	l						
3		O	P	E	N	-	M	I	C	:		0	3		M	i	c		
4	▫	A	U	T	O	-	O	F	F	:		3	0		S	e	c		

4.3 The function of automatic mic off (from 10~99 sec).

4.4 AUTO –OFF：10 Sec ⇨ 10 sec later if not speaking, the delegate unit will be automatically switched off.

i. AUTO–OFF：99 Sec ⇨ **99** sec later if not speaking, the delegate unit will be automatically switched off.

ii. AUTO–OFF：Invalid ⇨ the delegate unit should be manually switched off by pressing the "TALK".

16

Save Setting

a. When all above settings finished, if you want to save them as default value, you only need to push "SAVE" button. When it's done, the saved setting is permanent. Power failures of switching off do not clear the default value.

b. When "SAVE" button is pressed, the LCD will be displayed in the following information.

			S	a	v	e	.	.	.	.	.	.	.	.	O	K	

5. SPEED DOME CAMERA SETTING

5.1 Each Speed Dome has the function of Auto-Image Tracing & Positioning which can be set up from the main control unit. Each chairman/delegate unit could set up to16 Speed Domes which has 128 Programmable Preset Positions of each camera.

5.2 Press "MODE" button →move"�“" to SPEED DOME SETTING mode (the 2nd page of the MENU) →( ) **ID code 001** displayed under **MIC** column → press "UP" or "DN" button→select the "ID code" of microphone

5	◘	S	P	E	E	D		D	O	M	E		S	E	T	T	I	N	G
		M	I	C				D	O	M	E			A	D	R		
	(	0	0	1	)				0	1				0	0	1		

5.3 The conference system totally has 1,009 groups of ID codes.

  i. 4.6.3.1 ID code of delegate unit: 999 groups of numbers from 001 ~ 999

  ii. 4.6.3.2 ID code of chairman unit: 10 groups of numbers from ＊＊1 ~ ＊10

  iii. When "ID code" of microphone has been selected ◄ press "STEP" button ◄ move to right side to **ID code 001** under DOME column ◄ ( ) **ID code 01** displayed under **DOME** column ◄ press "UP" or "DN" button ◄ select the "**ID code**" of IP Speed Dome (See the Appendix – ID Codes of Speed Dome camera)

5	◘	S	P	E	E	D		D	O	M	E		S	E	T	T	I	N	G
		M	I	C				D	O	M	E			A	D	R		
		0	0	1				(	0	1	)			0	0	1		

5.4 One main control unit can control 16 speed domes cameras. No. 01 ~ 16 is the" ID code" of these 16 speed dome cameras.

5.5 When "ID code" of speed dome has been selected press "STEP" button move to right side to ID code 001 under ADR column（）ID code 01 displayed under ADR column press "UP" or "DN" button select the "Programmable Preset Positions" of Speed Dome.

5	◙	S	P	E	E	D		D	O	M	E		S	E	T	T	I	N	G
		M	I	C				D	O	M	E			A	D	R			
		0	0	1					0	1			(	0	0	1	)		

5.6 Each speed dome has 128 Programmable Preset Positions.

   i. 4.6.7.1 When the figure under **ADR** column displayed **001**, it is the 1st Programmable Preset Positions.

   ii. 4.6.7.2 When the figure under **ADR** column displayed **OFF**, the function of Auto-Image Tracing & Positioning is disabled.

5.7 When above three steps finished setting ◄ press **"SAVE "** button to save the setting value of the speed dome camera ◄ When "SAVE" button is pressed, the LCD will be displayed in the following information.

		S	a	v	e	.	.	.	.	.	.	.	.	.	O	K

5.8 4.6.9 Now, the picture in LCD will be back to item **"b"** Repeat the above setting steps for other conference unit.

5.9 4.6.10 The Programmable Preset Position is the 128th of ID address and the 1st ID code of the IP speed dome. It is mainly used to turn the IP speed dome automatically to the 128th conference preset position when there is no using microphone.

6. SPEED DOME CAMERA MODE

6.1 Auto-Image Tracing & Positioning Control Mode

6.1.1 **" None" mode:** Auto-Image Tracing & positioning is disabled.

6.1.2 **" Button" mode:** The speed dome will be tracing & positioning the image while the "TALK" button is being pressed. The images of Speed Dome will be positioned to the last talking microphone. By pressing the "TALK" button, the chairman or delegates could have the images of positioned again

6.1.3 **"Voice" mode:** The speed dome will not only be tracing & positioning the image while the "TALK" button is being pressed for the first time but also it will be tracing & positioning the image automatically where the voice coming from.

6.2 How to Operate:

Press "**MODE**" button move " ▫ " to SPEED DOME MODE（the 3rd of the MENU）the previous settings will be displayed on the LCD press "STEP" button select mode Save

6	▫	S	P	E	E	D		D	O	M	E		M	O	D	E		
(	N	o	n	e	)		B	u	t	t	o	n		V	o	i	c	e
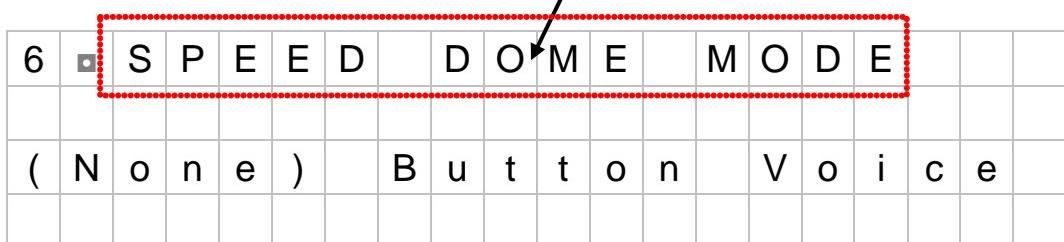
7. MIC CHECKING MODE

7.1 After the installation is completed, you have to execute the "Scan" functions first, and then the system will be automatically scanned and detected all the microphones. The numbers of microphones and their ID codes will be recorded in the system. Now, the first self-detecting action is completed

7.2 How to Operate：

i. Press **"MODE"** button move " ▫ " to **7. MIC CHECKING MODE**（the 4th page of the MENU） It will be showed as following:

7	▫	M	I	C		C	H	E	C	K	I	N	G		M	O	D	E		
		(	T	e	s	t	)				S	c	a	n						
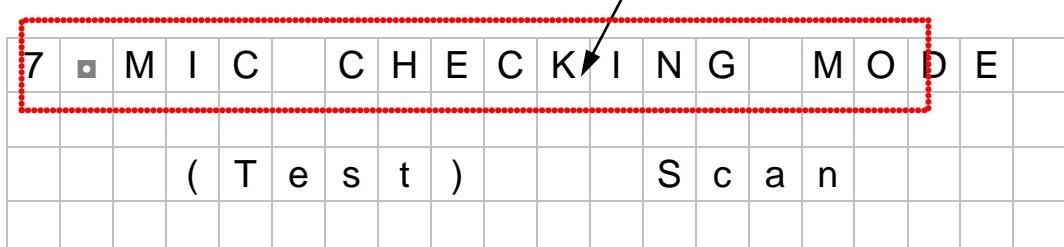
➡ Press "**STEP**" button → move ( ) to "**Scan**" → press "**Save**" button.

7	◘	M	I	C		C	H	E	C	K	I	N	G		M	O	D	E	
				T	e	s	t				(	S	c	a	n	)			

➡ The following display will be lasted about 30 sec.

				E	R	A	S	E		M	E	M	O	R	Y				
				P	L	E	A	S	E		W	A	I	T	.				

➡ After that, it will start checking all microphone's ID installed. It will take about 60 seconds

C	H	E	C	K	I	N	G		M	I	C		:				☐	☐	☐
M	I	C			C	O	U	N	T	E	R		:				☐	☐	☐
E	R	R	O	R		:													

CHECKING MIC: Delegate : 000~999，Chairman ＊01~＊10。

MIC COUNTER：000~1009。

ERROR：Under scanning, no ID code will be displayed

    ii. During MIC CHECKING MODE, chairman and delegate's LCD will also shows the scan status.

    iii. After confirming the above operations correctly, Press "MODE" button move " ◘ " to "MIC CHECKING MODE" (the 4th page of the MENU) It will be showed as following:

7	◘	M	I	C		C	H	E	C	K	I	N	G		M	O	D	E	
			(	T	e	s	t	)			S	c	a	n					

➡ Press "**Save**" button, checking time may be various depends on number of installed units

C	H	E	C	K	I	N	G		M	I	C		:				☐	☐	☐
M	I	C			C	O	U	N	T	E	R		:				☐	☐	☐
E	R	R	O	R		:	☐	☐	☐		☐	☐	☐		☐	☐	☐		

CHECKING MIC(Checking correct microphone ID)：
    Under "**Test**" status, it will test only those microphones connected

MIC COUNTER（All microphone connected） :
    Under "**Test**" status, it will be displayed the number of microphones connected correctly.

ERROR (Error MIC ID Code) :
    Under "**Test**" status, it will be displayed error ID codes.

※ If the numbers of microphones are increased or reduced, please repeat step 7 to scan, and then the system will be automatically scanned and detected all the microphones. The numbers of microphones and their ID code will be recorded in the system.

8. SPEED DOME RETURN

8.1 To let camera go back to a default point or not. (on 5.2 select **HGO**)

8.2 See following for operation

Press "MODE" ➜ Move " ▫" to 8. SPEED DOME RETURN ➜ You can see () besides NO ➜ Press

"STEP" to choose YES or NO.

8	▫	S	P	E	E	D		D	O	N	E		R	E	T	U	R	N	
			Y	E	S						(	N	O	)					

8.3 After choosing, press" SAVE".

|																	
			S	a	v	e	.	.	.	.	.	.	.	.	.	O	K

9. VIDEO AUTO SWITCH

9.1 With BXB multiplexer, it can run image override function.

9.2 See following for operation

Press "MODE" ➔ Move " ▫ " to VIDEO AUTO SWITCH ➔ You can see () besides Yes ➔ Press "STEP" to choose YES(show 1 override image) or NO (show divided images).

9	▫	V	I	D	E	O		A	U	T	O		S	W	I	T	C	H	
		(	Y	E	S	)							N	O					

9.3 After choosing, press" SAVE".

		S	a	v	e	.	.	.	.	.	.	.	.	.	O	K		

Volume Mode Settings

To set up the volume of PA system, please press the "UP" button ▲ or "Down"button▼ on the left side of the five functional buttons, the LCD will be showed will show as following.After 3 seconds of pressing the button, the LCD will be automatically returned to the "MENU" page and save the settings automatically.

			P	A		V	O	I	C	E		:			6	0	%		

MIC Volume Mode Settings

To Adjust the volume of the microphone connected to the microphone input jack, please press the MIC "UP" button▲ or "Down" button▼, the LCD will be showed as following. After 3 seconds of pressing the button, the LCD will be automatically returned to the "MENU" page and save the settings automatically.

			M	I	C		V	O	I	C	E		:		6	0	%		

AUX Volume Mode Settings

To adjust the volume of the equipment connected to the AUX input jack, please press the AUX "UP" button ▲ or "Down" button ▼, the LCD will be showed as following.

			A	U	X		V	O	I	C	E		:		6	0	%		

Tabletop Chairman Microphone Unit

Model:UFO-2011
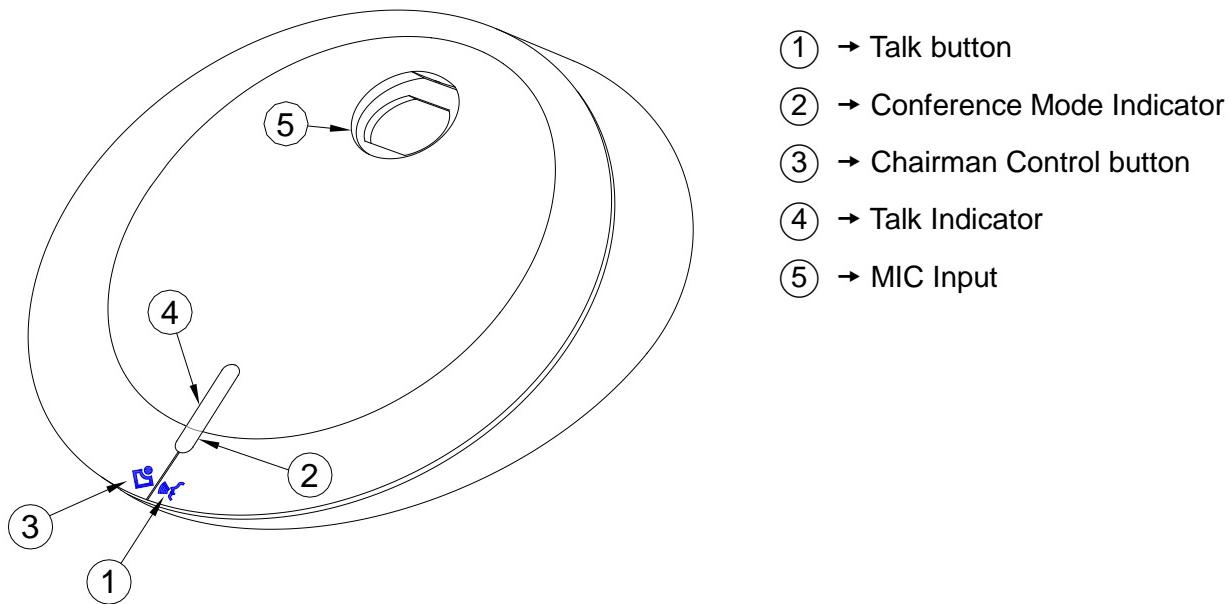
1 → Talk button

2 → Conference Mode Indicator

3 → Chairman Control button

4 → Talk Indicator

5 → MIC Input

Functions：

1. Press Talk button, when the indicator lamp of Talk and microphone is on, talking can begin.

2. Chairman Multi-Functional Control Button：

   ● Turn off all Delegate MIC－Press the control button, the delegate MIC will turn off for short time, after press the control button again, the delegate could speak then.

   ● Chairman Mode－While pressing the "TALK" button by the chairman, the ring of LED and talk indicator lamp of delegate microphones are flashing with RED color, once the chairman permits speaking, and the ring of LED will be automatically turned to red color without flashing, the delegates can speak now.

3. The gooseneck microphones are separate with the stand to facilitate the installation, repair and maintenance in general condition as well as the transportation, storage and assembly.

4. The wiring between the microphone units and control unit is connected with CAT 5 cord. The microphone also provides 2 RJ-45 ports beneath the side of base for easy installing.

Tabletop Delegate Microphone Unit

Model:UFO-2012
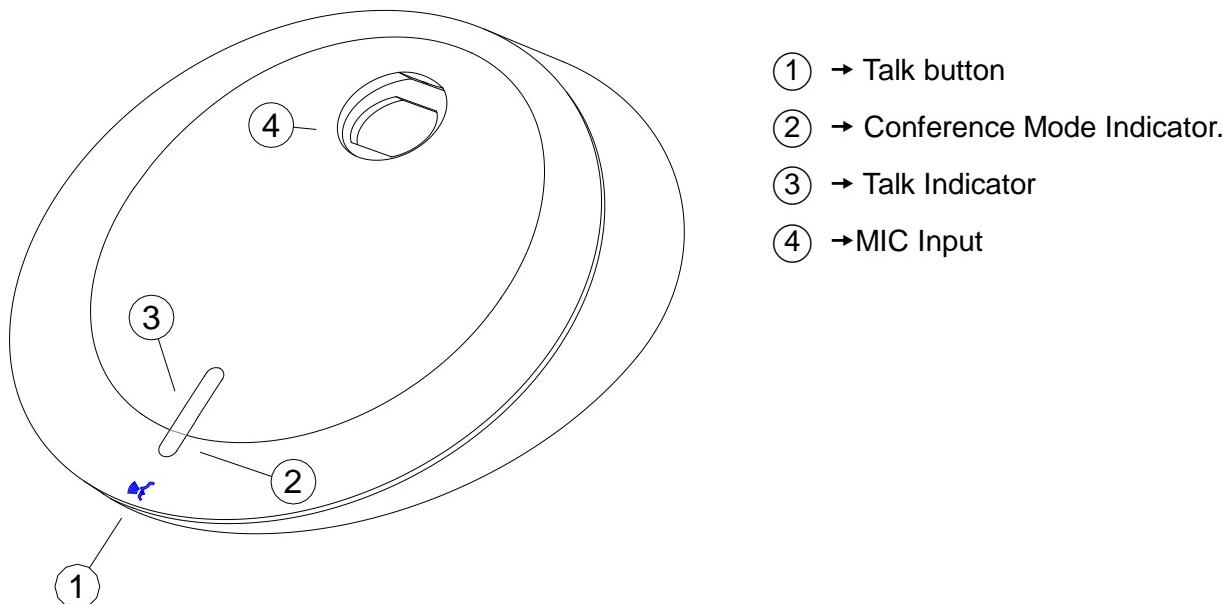
① → Talk button

② → Conference Mode Indicator.

③ → Talk Indicator

④ →MIC Input

Functions：

1. Press Talk button, when the indicator lamp of Talk and microphone is on, talking can begin.

2. Chairman Mode : Press "TALK" will become the REQUESTS MODE.

3. FIFO :The 1st prepared speaker will see his microphone's LED ring and talk indicator lamp start flashing with **RED** color, once the last one finished speaking; all the lamps will be automatically turned to **red** color without flashing. Now it's his turn. The 2nd prepared speaker and next ones will see their microphone's LED rings and talk indicator lamps start flashing with **ORANGE** color, once the 1st prepared speaker finished speaking, the lamps of the 2nd one will be automatically turned to **orange** color without flashing, and so on.

4. The gooseneck microphones are separate with the stand to facilitate the installation, repair and maintenance in general condition as well as the transportation, storage and assembly.

5. Hidden wiring is adopted with Cat.5 cord. There are two RJ-45 connections under the unit. When we setting the MIC, we could which will enable hidden wiring and maintain the appearance of the conference hall nice and neat.

6. Lamp color definition of conference mode status:

   ◆ Red Light On： Chairman Mode

   ◆ Green Light On：FIFO Mode

   ◆ Orange Light On：Override Mode

Appendix. Speed Dome Basic Setting

Power On & Off

Before the speed dome connects with other equipments, user has to complete the related settings of IP address and protocols. Please see the following pictures:
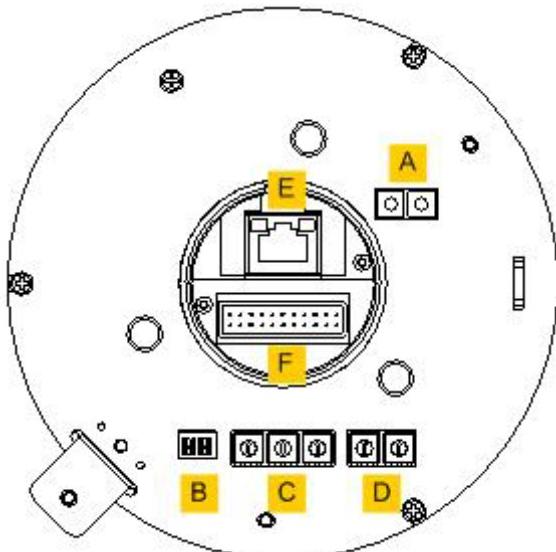
A	Reserved port
B	Communication Switch
C	IP Address Switch
D	Protocol Switch
E	RJ-45 connecting port (for Speed Dome)
F	Data Transmission Connector(22-Pin Connector)

Telecom On & Off

Communication Switch	Pin 1	RS-485 Communication Setting	RS-485 Communicating Setting	
	Pin 2		Half Duplex	Full Duplex
	Pin 3	Termination		
	Pin 4	Line Lock		
	Pin 5	System Initialization (for upgrade)		
	Pin 6	Reserved		

The factory setting of RS-485 is Half-Duplex. Do not change the setting without the instructions of professional technicians.

IP Address

IP address can be adjusted by the arrow on the switch. For example, IP address is "123." Please adjust it with the order of Percentile (1)Decile (2)and Unit (3) Please see it as following :

| Percentile | Decile | Unit |
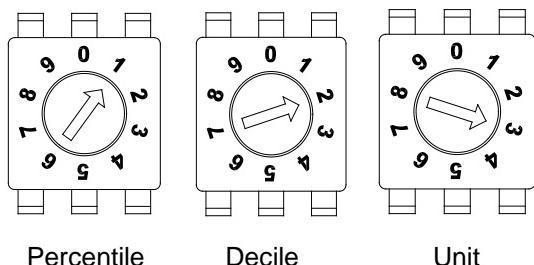
a. Please do not set up the identical IP address of two Speed Domes to avoid Communication collisions.

b. While adjusting the IP address, please make sure "0(Zero)" is in the north.

Telecom Protocol

Switch No.	Protocol	Baud Rate
00	VCL	9600
01	Pelco D	2400
02	Pelco P	4800
04	Chiper	9600
05	Philips	9600
07	BXB	9600
08	AD422	4800
09	DM P	9600
11	Pelco D	4800
12	Pelco D	9600
13	Pelco P	2400
14	Pelco P	9600
15	JVC	9600
16	GANZ	9600

For example , if your protocol is "Pelco D" , the baud rate is 2400, Switch no is 01, and the Setting is as follows:
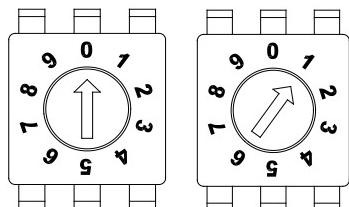
Definition of Data Transmission Cord

For user's convenient fast installation and test, this IP Speed Dome contains a 50 centimeters data transmission cord; Data transmission cord varies depend on the product   models(DC 12V or AC 24V).

Please refer to the following pictures:

**Data Transmission Cord : DC 12 V**

22-Pin connection

Power Input

Video Output

RS-485 Connector
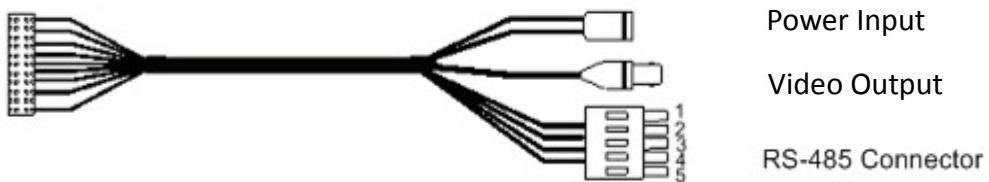
Data Transmission Cord: AC 24V

22-Pin connection

電源輸入(Power Input)

影像輸出(Video Output)

RS-485 Connector
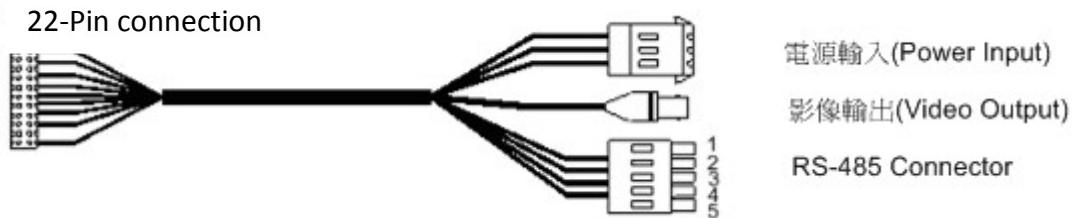
Please see the following **22-Pin DefinitionTable** as connecting referenece.
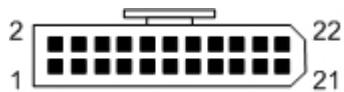
Pin	Definition	AWG
1	AC24-1/DC GND	20AWG
2	Alarm Pin (Not wired)	
3	AC24-2/DC12 (+)	20AWG
4	Alarm Pin (Not wired)	
5	FG	20AWG
6	Alarm Pin (Not wired)	
7	T+	24AWG
8	R-	
9	T-	
10	R+	
11~20	Alarm Pin (Not wired)	
21	Video GND Cable	24AWG
22	Video Cable	

RS-485 is the communication interface between IP Speed Dome and control keyboard; If 24-gauge cord is adopted to use, the maximum length of cable is 4000 feet (1219 meters). Twisted Pair Cable is recommended.